

# Notice of Allowability

Application No.

09/905,774

Examiner

Raymond S. Dean

Applicant(s)

SPRATT, MICHAEL P.

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to July 14, 2005.
2. ☒ The allowed claim(s) is/are 1 - 61 and 72 - 93.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### *Allowable Subject Matter*

1. The following is an examiner's statement of reasons for allowance: Claims 1 – 93 are allowable. Reed et al. (US 6,275,707) teaches a method of disseminating location information wherein location data items originating at known locations are passed to, and diffused between, entities by short-range communication, each location data item specifying the said known location at which it originated (Column 2 lines 57 – 60, Column 3 lines 66 – 67, Column 4 lines 1 – 9, lines 61 – 66). The prior art of record, however, fails to teach or show **each said location data item including a distance quantity indicative of an upper bound value for the distance to the specified known location, each entity increasing the distance quantity of each location data item it handles to take account of additional travel of location data item as perceived by the entity, increasing the distance quantity of each data item by an amount related to the transmission range of the transmitting entity in respect of one of receipt and transmission of the location data item by the entity, increasing the distance quantity of each data item by the distance measured or estimated since the item concerned was received last updated, increasing the distance quantity of the location data item to take account of movement of the mobile entity since receiving said item.** Claims 2, 7, 11 – 12, and 86 depend on Claim 1, Claims 3 – 4 and 24 depend on Claim 2, Claims 5 – 6 depend on Claim 4, Claims 8 – 10, and 36 depend on Claim 7, Claims 13 and 18 – 21 depend on Claim 12, Claims 14,

Art Unit: 2684

16 – 17 depend on Claim 13, Claim 15 depends on Claim 14, Claims 22 – 23 depend on Claim 21, Claims 25, 30 – 33 depend on Claim 24, Claims 26, 28 – 29 depend on Claim 25, Claim 27 depends on Claim 26, Claims 34 – 35 depend Claim 33, Claims 37, 42 – 45 depends on Claim 36, Claims 38, 40 – 41 depend on Claim 37, Claim 39 depends on Claim 38, and Claims 46 – 47 depend on Claim 45 therefore examiner gives same reason as set forth above. Claims 49, 54, 57, 87 depend on Claim 48, Claims 50 – 51 depend on Claim 49, Claims 52 – 53 depend on Claim 51, Claims 55 – 56 depend on Claim 54, Claims 58, 61 depend on Claim 57, and Claims 59 – 60 depend on Claim 58 therefore examiner gives same reason as set forth above. Claims 72 – 75 and 83 – 85 are allowable for the same reasons as set forth above. Claims 76 – 77, 79, 81 – 82, and 91 depend on Claim 75, Claims 78, 80 depend on Claim 76 therefore examiner gives same reason as set forth above. Claim 88 depends on Claim 72, Claim 89 depends on Claim 73, Claim 90 depends on Claim 74, Claim 92 depends on Claim 83, and Claim 93 depends on Claim 84 therefore examiner gives same reason as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Art Unit: 2684

**Conclusion**

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond S. Dean whose telephone number is 571-272-7877. The examiner can normally be reached on 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay A. Maung can be reached on 571-272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Raymond S. Dean  
September 26, 2005

  
NAY MAUNG  
SUPERVISORY PATENT EXAMINER